KARAYEV, Z. Sh.

Reaction of scienides of gallium and a lanthanide (arium and samarium of the type 62 III B3 VI. G. Kh. Efendiyev, Z. Sh. Karayev, I. O. Nasilov.

Solid solutions in the quasibinary systems Ga2S3-Ga2Te3 and Ga2S3-Ga2Se3. P. G. Rustanov, B. I. Mardakhayev, E. Melikova, M. Alidzhanov, M. Safarov. (Presented by G. Kh. Efendiyev--10 minutes).

Chemical bonding, structure of the energy zones and some properties of G. F. Karavayev (10 minutes).

Report presented at the 3rd National Conference on Semiconductor Compounds, Kishinev, 16-21 Sept 1963

NASIBOV, I.O.; KARAYEV, Z. Sh.

Interaction of the selenides of A 2 and B 3 praseodymium and gallium. Azerb. khim. zhur. no.5:105-111 163 (MIRA 17:8)

1 27193-65 EMT(m)/T/EMP(t)/EMP ACCESSION NR: AP5005521	// // // // // // // // // // // // //
miniE: Interaction between lant	yev, Z. Sh. Nasibov. T. O. hanum and gallium selenides (Allibyi) & heskiy zhurial, no. 5, 1964, 103-107
TOPIC TAGS: lanthagum selenide, system, phase diagram, lanthagum	gallium selenide, lanthanum gallium selenium a selenogaliste, chemical property, electrical
entire composition range of and by microhardness determinat ratios were synthesized at 1000 of the system indicated a particular solutions within the regions up and 860C, and a compound correst that are least and to ray powder	La ₂ Se ₃ -Ga ₂ Se ₃ system have been studied over the rmal, x-ray, chemical, and micrographic analyses, lions: The La ₂ Se ₃ -Ga ₂ Se ₃ alloys in various molecular—1200C in evacuated quartz ampuls. A phase diagram—1200C in evacuated quartz ampuls. A phase diagram—1, mutual solubility of the selenides forming solid to 20 mol; of each component, two eutectics at 980 ponding to the equimolar La ₂ Se ₃ :Ga ₂ Se ₃ ratio. Chemaiffraction patterns confirmed the formula LaGaSe ₃ microhardness was found to be maximum for a composition of the equimolar compound was found to be stable in vacuum up to its

L 27193-65		0
ACCESSION NR: AP5005521		
reagents, except in HCl an ized in an hexagonal syste of the other La ₂ Se ₃ -Ga ₂ Se	ble in the air up to 2000, and HNO3. The lanthunum selend m. The electrical conductive alloys increased with increased of the forbidden energy gap Orig. art. has: 5 figures a	ty of LaGaSe; and of most asing temperature in the within the system studied
ASSOCIATION: none:		
	ENCL: 00	SUB CODE: MM,GC
SUBMITTED: 00		
NO REP SOV: 003	OTHER: OCL	ATD PRESS: 3191
	OTHER: OCI	ATD PRESS: 3191
	OTHER: OCT	ATD PRESS: 3191
	OTHER: OCT	ATD PRESS: 3191

ACCESSION NR: AP4049804 S/0316/64/000/004/0111/0114

AUTHOR: Elendiyev G. Kh.; Karayev, Z. Sh.; Nasibov, I.O.

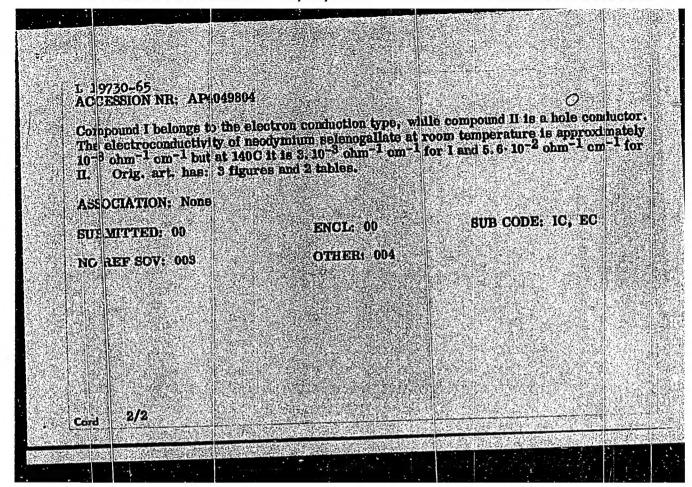
TUPLE; Interaction of gallium and neodymium selenides

SOURCE: Azerbaydzhanskiy khimicheskiy zhurnal, no, 4, 1964, 111-114

TOPIC TACS: gallium selenide, neodymium selenide, ternary semiconductor, seienide semiconductor

ABSTRACT: The purpose of this work was a study of the ternary system Nd-Ga-Se along x the cross section Nd₂Se₃-Ga₂Se₃. No data are available in the literature about this system, although its components have been studied so arately. A series of melts of these components in proportions from 5:1 to 1:5 Nd₂Se₃ (la₂Se₃ were prepared, and aged for components in proportions from 5:1 to 1:5 Nd₂Se₃ (la₂Se₃ were prepared, and aged for 250 hrs. at 700C (just under the solidus line). Thermal, radiographic and microhardness analyses established that in the system Nd₂Se₃-Ga₂Se₃ there are two chemical compounds: analyses established that in the system Nd₂Se₃-Ga₂Se₃ there are two chemical compounds: NdGaSe₃/and NdGa₃Se₇ 5(II). In addition, limited solid solutions are formed in the areas NdGaSe₃/and NdGa₃Se₇ 5(II). In addition, limited solid solutions are formed in the areas rich in Nd₂Se₃ and Ga₂Se₃. Studies on electrical conductivity depending on temperature, showed that at higher temperatures both compounds act as semiconductors, the conductivity showed that at higher temperatures both compounds act as semiconductors, the conductivity increasing with temperature. The widths of the forbidden zones were also determined.

Cord 1/2



1.25676-65 EMT(m)/EMP(k)/EMP(b) LIP(b) RIM/JD/JG

ACCESSION NR: AP4049417

S/0316/64/000/001/0125/0131

AUTHOR: I fendiyev, G. Kl. | Karavev, Z.Sh. , Nasibov, L.O.

TITLE: Interaction of the selenides of samarium and gallium

SOURCE: Azerbaydzhanskiy khimicheskiy zhurnal, no. 1, 1964, 125-131

TOPIC TAG: samarium selenide, gallium selenide, samarium galloselenide, selenide alloy, solid solution

ABSTRACT: The nature of the interaction of Sm_2Se_3 and Ga_2Se_4 was studied, as well as the physico-chemical proporties of the resulting products. Alloys of the cross-section Sm_2Se_3 — Ga_2Se_3 were synthesized from $AIII_2BVI_3$ selenides of samarium and gallium in evacuated (\sim 0.7 mm) quartz ampoules at 1200–1250C. The homogeneity of the samples was studied by thermal and x-ray analyses and by determination of microscopic hardness, was studied by thermal and x-ray analyses and by determination of microscopic hardness, and Ga_2Se_3 in a 1: ratio form $SmGaSe_3$, with a hexagonal unit cell with periods of a = 10.30 Å and c = 6.25 Å. The volume of the molecule of $SmGaSe_3$ was calculated as a = 10.30 Å is stable in a vacuum up to its m.p. It does not dissolve in organic solvents and cold H_2SO_4 , it hot H_2SO_4 , it dissolves allowly; in HC1 and HNO3, it dissolves solvents and cold H_2SO_4 , in hot H_2SO_4 , it dissolves poorly in alkali. The selenides form well with the separation of elementary Se_3 it dissolves poorly in alkali. The selenides form

Cord 1/3

1 25676-65			
ACCESSION NR: P4049427			
limited solid solutions in the are listed in Table 1 of the I	region rich in Sm ₂ Se ₃ and G Siclosure. Orig. art. has:	a Seg. Somi of their properties i fables and 5 figures.	
ASSOCIATION: None			
SUBMITTED: 00	ENCL: 01	SUB CODE: IC, GC	
NO REF SOY: 005	OTHER: 005		

Interaction of the seleniace as as of neodymium and gallium.

Azerb. khim.zhur. no.4:111-114 '64. (MIRA 18:3)

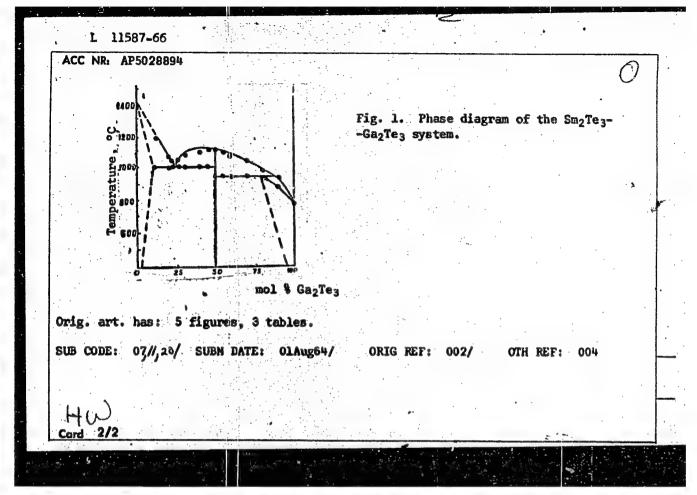
EFENDIYEV, G.Kh.; KARAYEV, Z.Sh.; NASIBOV, I.O.

Interaction of AIII2BVI3 type cerium and gallium selenides. Izv. AN SSSR. Ser. fiz. 28 no.6:1103-1106 Je '64.

(MIRA 17:7)

1. Institut khimii AN Azərbaydzhanskoy SSR.

EWT(m)/ETC(F)/EWG(m)/EWP(t)/EWP(b) IJP(c) RDW/JD/JG 11587-66 SOURCE CODE: UR/0316/65/000/004/0110/0115 ACC NR: AP5028894 AUTHOR: Karayev, Z. Sh.; Gadymov, A. H.; Nurguzov, N. I. ORG: Institute of Chemistry, AN AzerbSSR (Institut khimii AN AzerbSSR) Interaction between A2 III B3 tellurides of samarium and gallium Azerbaydzhanskiy khimicheskiy zhurnal, no. 4, 1965, 110-115 TOPIC TAGS: tellurium, samarium, gallium, phase diagram, phase transition, tellurium alloy, samarium alloy, gallium alloy, semiconductivity, semiconductor, material ABSTRACT: The object of the study was to synthesize new chemical compounds and alloys and to learn about their properties. Sm2Te3-Ga2Te3 alloys were prepared by fusing mixtures of Ga₂Te₃ with metallic Te and Sm in quartz ampoules at 1000-1180°C and 1.10⁻³ mm Hg. Sm₂Te₃ was homogenized for 380 hours at 400°C and 10⁻³ mm Hg in ratios of 5:1, 4:1, 3:1, 2:1, 1:1. The phase diagram of the Sm2Te3-Ga2Te3 system is shown in fig. 1. A new chemical compound of samarium-gallium-tellurium was found: its formula is $SmGaTe_3$. The existence of a limited solid solution in the $Ga_2Te_3-Sm_2Te_3$ system was established. It was also found that alloys and compounds of the Sm2Te3-Ga2Te3 sys tem are semiconductors.



I: 31553-66

ACC NR: AP6005113

SOURCE CODE: UR/0316/65/000/005/0082/0085

AUTHOR: Gasanov, B. G.; Ibragimov, N. Yu.; Karayev, Z. Sh.; Nasibov, I. O.

タショ

ORG: Institute of Inorganic and Physical Chemistry, AN Azerb. SSR (Institut neorganicheskoy i fizicheskoy khimii AN Azerb. SSR)

TITLE: Infrared absorption spectra of selenogallates MeGaSe3 of certain lanthanides

SOURCE: Azerbaydzhanskiy khimicheskiy zhurnal, no. 5 , 1965, 82-85

TOPIC TAGS: selenium compound, gallium compound, lanthanum compound, praseodymium compound, neodymium compound, samarium compound, cerium compound, infrared spectrum, refractive index, x ray diffraction

ABSTRACT: An attempt was made to establish general relationships between the optical properties and composition of the compounds LaGaSe3, CeGaSe3, PrGaSe3, NdGaSe3, and SmGaSe3. An IKS-14 infrared spectrograph and MIN-8 polarizing microscope were used. All the IR absorption spectra of these compounds were found to be basically similar, and not very different from the IR spectra of the corresponding selenides. This shows that the selenogallates studied are analogous in character. These results are in agreement with the reported results of thermographic, x-ray diffraction, and chemical analyses. Microscopic examination showed the selenogallates to be nontransparent, i.e., no pleochroism or extinction was observed. The refractive indices of the compounds were measured and found to be the same,

Card 1/2

1.5085; nd CeGaSe3 = 1.4 nature of selenogallates of table.	1785. The data confirm the general characteristics of the cerium subgroup elements. Orig. art. has: 1	f the molecula
SUB CODE: 07,20/SUBM I	DATE: 18Dec64 / ORIG REF: 003	
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Card 2/2 IC		

L 46142-66 EWT(m)/EWP(t)/ETI IJP(c) JD/JG

ACC NR: AP6025826 SOURCE CODE: UR/0316/66/000/001/0112/0115

AUTHOR: Karayev, Z. Sh.; Keyserukhskaya, L. G.; Aliyeva, Sh. A.; Gadymov, A. H.

ORG: Institute of Inorganic and Physical Chemistry, Academy of Sciences AzerbSSR (In-m neorgan. i fiz. khimii AN AzerbSSR)

TITLE: Synthesis and study of yttrium sulfogallate, YGaS3, and yttrium sulfoindate, YInS3

SOURCE: Azerbaydzhanskiy khimicheskiy zhurnal, no. 1, 1966, 112-115

TOPIC TAGS: yttrium, indium, gallium compound, sulfur compound

ABSTRACT: Yttrium sulfogallate, YGaS₃, and yttrium sulfoindate, YInS₃, were synthesized and their crystallographic structures, elemental composition, stabilities, and electrical conductivities were examined. The work is part of an extensive program, presently being carried out at the Institute of Inorganic and Physical Chemistry, Academy of Sciences AzerbSSR, aimed at finding new types of semiconductors. The YGaS₃ and YInS₃ were prepared by fusing mixtures of the elements in stoichiometric ratios in sealed quartz ampoules evacuated to 1·10⁻³ mm Hg. Initially, half of an ampoule was slowly heated in a furnace to 1000°C while the other half, outside the furnace, was cooled with water. Then, the whole ampoule was placed inside the furnace and held there for 2 hrs at 1250°C. It was found that YGaS₃ has a hexagonal crystal lattice.

Card 1/2

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CIA-RDP86-00513R000720630009-4

L 46109-66 EWT(m)/EWP(t)/ETI IJP(c) JD/JG

ACC NR: AP6023927

SOURCE CODE: UR/0363/66/002/007/1322/1323

AUTHOR: Karayev, Z. Sh.; Nasibov, I. O.; Aliyeva, Sh. A.

ORG: Institute of Chemistry, Academy of Sciences, AzerbSSR (Institut khimii Akademii nauk AzerbSSR)

TITIE: Synthesis and study of sulfogallates of certain lanthanides

SOURCE: AN SSSR. Izv. Neorg materialy, v. 2, no. 7, 1966, 1322-1323

TOPIC TAGS: gallium compound, sulfur compound, lanthanum compound, cerium compound, praseodymium compound, neodymium compound, samarium compound

AESTRACT: The object of the work was to synthesize sulfogallates of lanthanum, cerium, praseodymium, neodymium, and to study certain properties of these compounds. The synthesis was accomplished by directly reacting stoichiometric amounts of the elements. X-ray diffraction analysis showed that all the sulfogallates of the cerium subgroup elements are isostructural. Their lattice constant a varies linearly with the radius of the lanthanides, whereas constant c undergoes little change. The molecular volumes of the sulfogallates studied are close to the arithmetical mean of molecular volumes of the corresponding sulfides (In₂S₃ and Ga₂S₃), suggesting the following equation for the reaction of formation:

In2S3 + Ga2S3 → 2InGaS3.

Card 1/2

UDC: 546.681'65'221

L 46109- ACC NR:	66 AP602	3927							0
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SUB CODE:	07/	SUBM DA	TE: 29Sep	65/ ORIG	REF:	002/	OTH REF:	001	
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Card 2/2	JS	-					~		
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KARAYEVA, A.M., assistent

Treatment of cracked nipples as revealed by data from the obstetricial clinic of the Andizhan Medical Institute. Med. zhur. Uzb. no. 2:12-13 F '61. (MIRA 14:2)

1. Iz kafedry akusherstva i ginekologii (zav. - kand.med.nauk Š.A. Adintsova) Andikhanskogo gosudarstvennogo meditsinskogo instituta.

(BREAST-DISEASES)

KARAYEVA, F.

Vagosympathetic cervical novocaine block in esophageal and cardial cancers as a method of control of syndrome of dysphagia. Trudy AMN SSSR 21 no.5:7-12 '52. (MIRa 10:8)

1. Iz nauchno-issledovatel skogo instituta rentgenologii, radiologii i onkologii Azerbaydzhanskoy SSR.

(ESOPHAGUS, neoplasms,

causing dysphagia, prev. by procaine cervical block)

(STOMACH, neoplasms,

cardial cancer causing dysphagia, prev. by proceine

cervical block)

(DEGLUTITION DISORDERS.

dysphagia in cancer of cardia & esophagus, prev. by

procaine cervical block)

(ANESTHESIA, REGIONAL, in various diseases,

procaine cervical block in dysphagia in cancer of

cardia & esophagus)

(PROCAINE, therapeutic use,

dysphagia in cancer of cardia & esophagus, cervical

nerve block)

GAPUROV, M.; DER LYEV, L.; KITCHERF, G.; VONTHINOV, E.; KLETT F. DEV, E.; KHALLITZET, P.; DKIDOV, C.

In the land of sands and creation Voen man. It is 126- 9 F 105.

1. Predsedatel' Soveta Ministrey furbasiskey but (for Gapurey).
2. Predsedatel' sel'skokheryaystvennoy arteli 'Sovet Trubbenistana' (for Sopiyey).
3. Predsedatel' Leninskogo ispelnitel'nego koniteta rayonnogo Soveta deputatov trudgashehikhaya Ashkhabada (Per Karayeva).
4. Nachal'nik Ashkhabadskoy shkoly grandanskoy oborony Vsesoyuznogo obshelestva sedeyatviya armii, aviatsii i flotu SSSR (for Avanumradov).
5. Nachal'nik Ashkhabadskikh harov grandanskoy oborony (for Klycharadev).
6. Nachal'nik Ashkhabadskikh harov grandanskoy oborony (for Klycharadev).
7. Nachal'nik Ashkhabadskikh nachala (Per anlyvey).
8. Nachal'nik ashkhabadskikh nachala (Per anlyvey).
8. Nachal'nik ashkhaba "Nacha", Dech anshaja (Per anlyvey).
8. Nachal'nik ashkhabadskikh nachala (Per anlyvey).
8. Nachal'nik ashkhabadskikh nachabadskikh nachabadskikh

USSR/Numm and Amiral Physiology. Hervous System. General Problems.

 \mathbf{T}

Abs Jour: Ref Zhur-Diol., No 20, 1958, 93539.

Author : Karayeva Ka. I.

List : Azerbaydzhan Scientific Research Institute for Blood Trans-

fusion.

Withe : Clinical and Experimental-Research Material on

Polyneuritis of America Origin.

Orig Pub: So. Mauchn. tr. Lzerb. n.-i. in-ta perelavanaya krovi, 1957,

vyp. 3, 118-124.

Abstract: Dasing his paper on the chinical study of 20 cases of

anemia accompanied by symptoms of polymeurithis (P) and on experiments with 27 rabbits which had attends, induced artificially by repeated blood-letting, the author distinguished anemic polymeuritis (AP) as the basic form

Card : 1/2

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720630009-4 27723 L BER W. W. W. Were W. Donger Dury December 130 hyper with the back with the back of the b These work was and and a storage and the storage of OF TOSETDOL WITTE CULTAT WELCA IN ASDESMOY

OF THE WARDEN WEITE COLLED TO THE TOTAL WEITE ON THE TOTAL These of the state Ø Dysentery patients were gound to eliminate with STATES Wysermers of those of the Soume type together streates the streates of the Soume type there streates of the Soume type there is the Soume type the stream of the sound the stream of the stream the stream of the st A EFFECT OF THE BYONG BY TO BE OF STORE BY TO BE ST ř. Win Health USSR 21-33

Win Health USSR 31-33

Win Health USSR 31-33

Win Health USSR 11, pp 31-33 YEVA, NOV 53 MOGITICANE WOOTTICESTAND OF WICEOUT Some bacant. CAMPACEST FLEXMENT DECLITAS

LEBEDEV, Ye.M.; PERMITIN, Yu.Ye.; KARAYEVA, N.I.

Fouling of plates in the Black Sea. Trudy Inst. okean. 70: 270-275 '63. (MIRA 17:7)

KARAYEVA, N. I.

Bilogoy of benthic diatoms in the western shore area of the Caspian Sea. Bot. zhur. 45 no.5:767-770 My '60.

(MIRA 13:7)

1. Botanicheskiy institut im. V.L. Komarova Akademii nauk Azerbaydzhanskoy SSR, Baku. (Caspian Sea-Diatoms)

BABANOV, G.P., kand.med.nauk; KLYUCHIKOV, V.N., dotsent; KARAYEVA, N.I.; LILEYEVA, Z.V., dotsent

Clinical aspects of chronic intoxication with nitrile acrylic acid. Vrach.delo no.8:833-835 Ag '59. (MIRA 12:12)

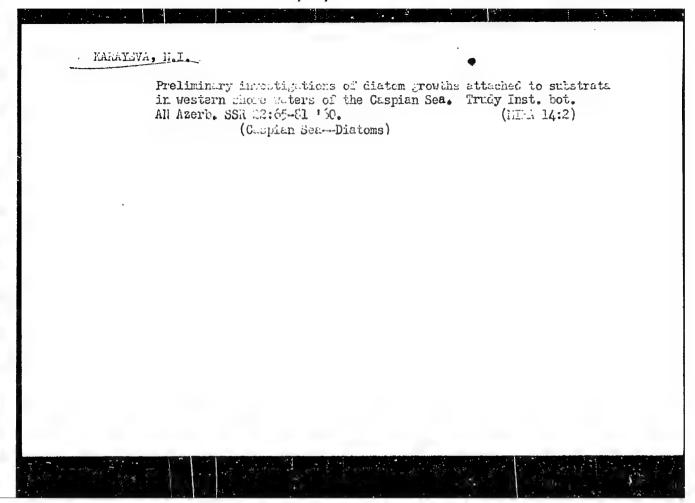
1. Kafedra obshchey giginy, fakul tativnoy terapii, nevropatologii, oto-rino-laringologii Yaroslavskogo meditsinskogo instituta.

(ACRYLONITRILE--TOXICOLOGY)

KARAYEVA, N.1., assistent

Occurrence of chronic tonsillitis in children with chronic pneumonia and the effect of the treatment of tensillitis on the course of pneumonia. Sbor. nauch. trud. lvnn. gor. med. inst. no. 28:35-39 * 63 (MIRA 19:1)

1. Iz kafedry otolaringologii (av. kafedroy - do'-- ' Yu.K.Ko-rotkova) i kafedry detskikh bolezney (zav. kafedroy - prof. A.I. Titova) Yaroslavskogo gosudarstvennego meditsinskego instituta (rektor - prof. N. Ye. Yarygin).



KARAYEVA, N. I.

Cand Biol Sci - (diss) "Bottom-living diatomic algae of the western right bank of the Caspian Sea." Baku, Pub. Academy of Sciences Azerbaydzhan SSR, 1961. 20 pp; (Ministry of Higher and Secondary Specialist Education Ukrainian SSR, Khar'kov Order of Labor Red Banner State Univ imeni A. M. Gor'kiy); 200 copies; free; (KL, 6-61 sup, 207)

KARAYEVA, N.I.

Fouling diatoms near the western shore of the Caspian Sea. Trucy Inst. okean. 49:108-117 '61. (MIRA 15:1) (Caspian Sea--Marine fouling) (Diatoms)

KARAYEVA, N.I.

Origin of benthic diatom algae of the Caspian Sea. Izv. AN Azerb.
SSR. Ser. biol. i med. nauk no.3:19-23 '63. (MIRA 16:6)
(Caspian Sea--Diatoms)

KARAYEVA, N.I.

New diatom algae in the Caspian Sea. Izv. AN Azerb. SSSR. Ser. biol. i med. nauk no. 6:15-22 163. (MIRA 17:5)

KARAYEVA, N.I.; ARBUZOVA, K.S.

Materials on the diatoms of fouling on the eastern coast of the Caspian Sea; preliminary report. Trudy Inst. okean. 70:29-40 '63. (MIRA 17:7)

SHIKHIYEV, I.A.: ALIYEV, M.I.; KARAYEVA, Sh.V.

Synthesis and conversion of tertiary y -acotylenic alcohols containing silicon. Dokl.AN Azerb.SSR 15 no.12:1111-1113 '59. (MTRA 13:4)

1. Institut neftekhimicheskikh protsessov AN AzerSSR. Predstavleno akademikom AN AzerSSR M.F. Nagiyevym.
(Alcohols)

\$/079/60/030/009/005/015 B001/B064

2209. 5.3700

Shikhiyev, I. A., Aliyev, M. I., Aslanov, I. A.,

Karayeva, Sh. V.

TITLE:

AUTHORS:

Investigations in the Field of the Synthesis and Conversion of Unsaturated Organosilicon Compounds. VII. Synthesis and Properties of Some Secondary and Tertiary γ-Silicon-con-

taining Acetylene Alcohols

PERIODICAL:

Zhurnal obshchey khimii, 1960, Vol. 30, No. 9,

pp. 2916-2919

TEXT: In the present paper (Ref. 1), the authors describe a method of synthesizing mono-, bi-, and trivalent γ-silicon-containing tertiary alcohols of the acetylene series. The present investigation deals with the synthesis of some representatives of the γ -silicon-containing secondary and tertiary acetylene alcohols by allowing the respective organomagnesium compound of the acetylene series to react with trialkyl chlorosilanes. The presence of the hydroxyl group in the \gamma-silicon-containing acetylene alcohols was confirmed by acetylation (Ref. 2) by the scheme given (details Card 1/3

Investigations in the Field of the Synthesis and Conversion of Unsaturated Organosilicon Compounds. VII. Synthesis and Properties of Some Secondary and Tertiary γ-Siliconcontaining Acetylene Alcohols

S/079/60/030/009/005/015 B001/B064

in the experimental part). The following y-silicon-containing acetylene alcohols were described: 1-trimethyl silyl-3-methyl pentin-1-ol-3;, 1-dimethyl ethyl silyl-3-methyl pentin-1-ol-3; 1-trimethyl silyl pentin-1-ol-3; 1-trimethyl silyl-3-methyl hexine-1-methyl-5-ol-3; 1-trimethyl silyl-3-methyl heptin-1-ol-3; 1-tri-methyl silyl hexin-1-ol-3; 1-triethyl silyl-3-methyl heptin-1-ol-3; 1-tri-methyl silyl hexin-1-ol-3. The presence of a hydroxyl group in the alcohols obtained was confirmed by the following silicon-containing acetals syn-thesized from them: n-butyl trimethyl silyl methyl pentine-, n-butyl triethyl silyl methyl pentine-, n-butyl trimethyl silyl methyl pentine-, n-butyl trimethyl silyl methyl hexine-, n-butyl trimethyl silyl methyl heptine-, and n-butyl trimethyl silyl hexine acetal. The alcohols and acetals obtained are given together with their constants in a table. There are 1 table and 2 Soviet references.

ASSOCIATION:

Institut neftekhimicheskikh protsessov Akademii nauk Azerbaydzhanskoy SSR (Institute of Petroleum-chemical Processes of the Academy of Sciences Azerbaydzhanskaya SSR)

Card 2/3

Investigations in the Field of the Synthesis and Conversion of Unsaturated Organosilicon Compounds. VII. Synthesis and Properties of Some Secondary and Tertiary γ -Siliconcontaining Acetylene Alcohols

\$\dolday{079/60/030/009/005/015} B001/B064

SUBMITTED:

September 21, 1959

Card 3/3

s/081/62/000/016/011/043 B168/B186

Shikhiyev, I. A., Aliyev, M. I., Guseyn-Zade, B. Kh., AUTHORS:

Karayeva, Sh. V.

Synthesis of acetylene alcohols containing y-silicohydride TITLE:

and their dehydrocondensation by dimethylphenylsilanol

Referativnyy zhurnal. Khimiya, no. 16, 1962, 235, abstract PERIODICAL:

16Zh271 (Azerb. khim. zh., no. 3, 1961, 67-70 (summary in

Azerb.])

TEXT: Production of RR'C(OH)C = CSiHR2" (I, where R = CH3, C2H5; $R' = CH_3$, $C_2^{H_5}$, $tert-C_4^{H_9}$; $R'' = CH_3$, $C_2^{H_5}$) by the reaction of

RR'C(OMgBr)C = CMgBr with R2"SiHCl (II) is described. The reaction of I with $C_6H_5(CH_3)_2SiOH$ (III) produces RR'C(OH)C = $CSi(R_2")OSi(CH_3)_2C_6H_5$ (IV) with liberation of H2. The presence of an OH group in I is proved by acetalization and by the fact that the corresponding siloxy derivatives are

Card 1/3

S/081/62/000/016/011/043 B168/B186

Synthesis of acetylene alcohols...

produced in accordance with the formula: I + CH₂ = CHOC₄H₉(V)

CH₃CH(OC₄H₉)OC(RR')C = CSiHR₂" (VI). 0.2 mole II (R₂" = CH₃ and C₂H₅) is gradually added, during cooling, to lotsich's reagent (consisting of 0.4 mole C₂H₅Br, 0.4 mole Mg and 0.2 mole methyl-tert-butylacetylenyl-carbinol); after 12 hr this mixture is heated for 6 hr, after 4 hr (20°C) it is decomposed with dilute HCl and I (R'= CH₃, R' = tert-C₄H₉, R'" = CH₃ and C₂H₅) (Ia) (here and henceforth yield in %, boiling point in °C/mm, n²OD, d₄ owill be given for isolated substances), 26.3, 69/2, 1.4603, 0.8768, is isolated from the ester layer. 0.01 g ZnCl₂ is added to a mixture of 0.05 mole Is and 0.05 mole III in C₆H₆; when evolution of H₂ has ceased the C₆H₆ is driven off and IV (R = CH₃, R' = tert-C₄H₉, R₂" = CH₃ and C₂H₅), 21.55, 106/0.18, 1.5124, 0.9842, is isolated from the residue. 0.2 ml 33 % HCl is added to a mixture of 0.03 mole I (R = R' = CH₃, R₂" = CH₃ and C₂H₅) and 0.03 mole V; this is heated for Card 2/3

Synthesis of acetylene alcohols...

S/081/62/000/016/011/043 B168/B186

30 min at 70° C and neutralized after 12 hr with calcined K_2 CO₃, and VI $(R = R' = CH_3, R_2'' = CH_3, C_2H_5)$, 26.04, 119/4, 1.4422, 0.8725, is isolated from it. Other representatives of this class of compound are produced in a similar manner. [Abstracter's note: Complete translation.]

Card 3/3

KARAYEVA, V.Sh., assistent

Click beetles in hemp fields. Uch. zap. Kab.-Balk. gos. un. no.12:167-169 '62. (MIRA 16:6)

1. Kafedra zoologii Kabardino-Balkarskogo gosudarstvennogo universiteta.

(Hemp-Diseases and pests) (Wireworms)

KARAYEVA, V.Sh., assistent

Some data on predatory insects in the biocenose of hemp. Uch. zap. Kab.—Balk. gos. un. no.12:171-172 '62.

(MIRA 16:6)

1. Kafedra zoologii Kabardino-Balkarskogo gosudarstvennogo universiteta.

(Kabardino-Balkar A.S.S.R.-Hemp-Diseases and pests)

(Kabardino-Balkar A.S.S.R.-Insects, Injurious and beneficial-Biological control)

KARAYEVA, V.Sh.

Presowing treatment of hemp seed; preliminary report. Uch.zap. Kab.-Balk. gos. un. no.14:112-115'62. (MIRA 16:6) (TEREK DISTRICT—HEMP—DISEASES AND PESTS) (INSECTICIDES)

KARAYEVA, V.S.

Misrohardness of the grain of durum and soft wheat of the Azerbaijan S.S.R. Dokl. AN Azerb. SSR 21 no.4:58-60 *65.

(MIRA 18:7)

1. Institut genetiki i selektsii AN AzerSSR.



KARAYEVA, V.S.

Bread and macaroni producing properties of durum winter wheat of the Azerbaijan S.S.R. Dokl. AN Azerb. SSR 21 no.5:78-81 '65.

(MIRA 18:9)

1. Institut genetiki i selektsii AN AzerSSR.



132-58-6-5/13

AUTHORS:

Karayeva, Z.G. and Chesnokov, O. F.

TITLE:

Experience in the Use of Spectro-Metallometric Surveying in Prospecting for Deposits of Pegmatites Containing Rare Metals in Covered Regions (Opyt primeneniya spektrometallometricheskoy s"yemki pri poiskakh mestorozhdeniy redkometal'nykh pegmatitov v zakrytykh rayonakh)

PERIODICAL: Razvedka i Okhrana Nedr, 1958, Nr 6, pp 32-36 (USSR)

ABSTRACT:

Prospecting operations to locate mineral deposits in wood regions are very often difficult. The best way to prospect such regions is to use the metallometric survey together Schlich (Shlikh) assaying and electric prospecting. All these operations were conducted in the same section of the region: metallometric and schlicht samples were taken from the same prospecting hole and an electro-prospecting survey was conducted on the same profiles. The results of all operations were fixed on the map. The deposit contained various rare minerals and, as most of them has a very low migrational capability, beryllium and lithium were chosen as elementindicators. The spectral analysis showed that the contents of lithium varied from 0.002 to 0.005% and the contents of

Card 1/2

CIA-RDP86-00513R000720630009-4" APPROVED FOR RELEASE: 06/13/2000

Experience in the Use of Spectro-Metallometric Surveying in Prospecting for Deposits of Pegmatites Containing Rare Metals in Covered Regions

beryllium - 0,001 to 0,002%. Detailed metallometric sampling and schlicht assaying was done and marked on the map, which showed the complete concordance of all three findings. The authors describe the spectral analysis of the metallometric samples, in which the visual method of determination of lithium was found to be the best for quantitative analysis. There is 1 map and 6 Soviet references.

ASSOCIATION: VIMS and Sibgeofiztrest

AVAILABLE: Library of Congress

Card 2/2 1. Geology 2. Surveying-Operation 3. Geophysical prospecting

KARAYEVA, Z.M.

Treatment of fungus diseases of the scalp with 20% acetic acid. Vest. vener., Moskva no.3:17-18 May-June 1953. (CLML 25:1)

1. Of the Belorussian Skin-Venere ological Institute (Director -- Prof. A. Ya. Prokopchuk).

KARAYEVA, Z.S.

Ash composition of some plants in the Het-Pak-Dala Desert.

Pochvovedenie no.3:94-104 Mr 163. (MIRA 16:3)

1. Pochvennyy institut imeni V.V.Dokuchayeva.
(Bet-Pak-Dala-Plants-Chemical analysis)



SOKOLOV, I.A.; KARAYEVA, Z.S.

Migration of humas and some elements in the profile of vulcanic fores soils in Kamchatka. Pochvovedenie no.5:12-21 My '65. (MIRA 18:5)

1. Pochvennyy Institut imeni Dokuchnyeva, Moskva.

PRIDLAND, V. M.; KARAYEVA, Z. S.

Origin of acid salinized soils. Pochvovedenie no.7:77-81 J1 '62. (MIRA 15:10)

1. Pochvennyy institut imeni V. V. Dokuchayeva.

(Vietnam, North-Saline and alkali soils)

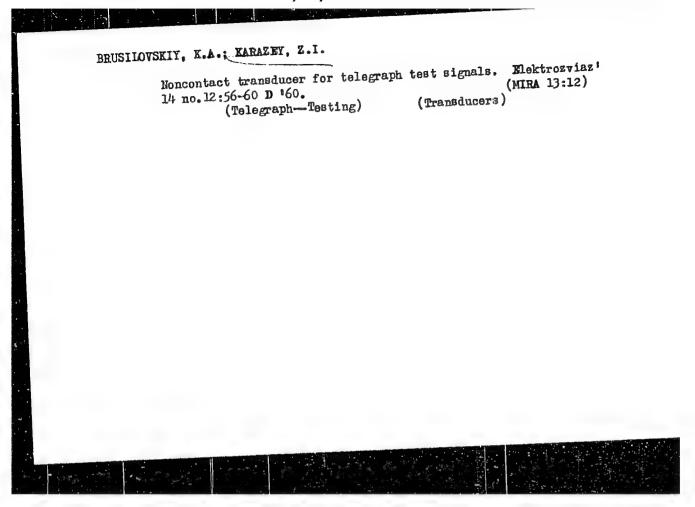
KARA-ZADE, T.K.; ABLAYEV, E.M.

Blood transfusion in amyloidesis of the internal organs. Med. zhur. Uzb. no.10:70-71 0.160. (MIRA 13:12)

1. Iz Samarkandskogo gorodskogo tuberkuleznogo dizpansera. (BLOOD—TRANSFUSION) (AMYLOIDOSIS)

NEKHAYCHIK, N.; KARAZANOVA, Ya.; BELAYA, V.

Prevention of diphtheria. Zdrav. Belor. 6 no. 5:54 My '60. (MIRA 13:10) (BEREZINA DISTRICT—DIPHTHERIA)



APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720630009-4"

IVANOV, B.I.; SHARONOVA, N.F.; KUZIMINA, N.A.; KARAZEYEVA, L.N. Purifying the industrial waste waters of vinyl acetate and the polymers based on it. Trudy VNII no.12:270-289 '63. (MIRA 18:11)

CIA-RDP86-00513R000720630009-4" APPROVED FOR RELEASE: 06/13/2000

BREYEV, K.A.; KARAZEYEVA, Z.F.

Material on the biology of the warble fly Oedemagana tarandi L. Paraz. sbor. 14:95-102 '52. (MLRA 6:6)

(Warble flies) (Parasites--Reindeer)

KARAZEYEVA, Z.F.

BREYEV, K.A.; KARAZEYEVA, Z.F.

Materials on the biology of the deer bot Oedemagena tarandi L.

of the reindeer. Paras.sbor. 15:410-424 '53. (MLRA 7:5)

(Parasites--Reindeer) (Warble flies)

KARAZEYEVA, Z : Zooparasitology. Acarids and Insects as Vectors : USSR CETHURBY. PATRICRY of Discase. Insects AES. JOUR. : EZhBiol., No. 4 1959, No. 15050 : Breyev, E. A.; Karazeyeva, Z. F. AUTHOR : Data on the Biology of the Reindoor Fly Oedema-gena tarandi L: III. Observations upon Pupas and INST. TITLE Adult Reindeer Flies : Farazitol. sb., 1957, 17, 199-228 ORIG. PUB. : Experiments on the survival of pupas on different soils permit to recommend the pasturing of rein-ABSTRACT deer (R) in the period of the messive felling out of larvae in low marshy places, and to provide rest for R in sections with firm ground without vegetative cover. Out of 1,580 reindeer flies caught in nature, only 0.8% males were found. In the laboratory a case of twofold copulation 1/4 CARD:

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CIA-RDP86-00513R000720630009-4"
OVED FOR RELEASE: 06/13/2000
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ARS. JOHR. : REBERICL., No. 1, 1959, No. 15050

MOPTUA INST. TITLE

ORIG. PUB. :

: of one pair of reindeer flies was observed. Flight in European tundras occurs from the end of June or the beginning of July until the beginning of September. The flight may take place
ginning of September. The flight may take place
at the temperature of not less than 7.4° in surny
weather and not less than 13° in cloudy weather. ARSTYACT contid In summy weather, the attack of females (F) causes great unrest of R; at the same time, F suc-

coed in laying only an insignificant part of their eggs. In cloudy weather, when R lies down

2/4 CARD:

GUNTINY C. Lower

ABS. JOUR. : REMBiol., No. 4 1959, No. 15050

G

ACC NR: AP7007210

(A)

SOURCE CODE: UR/0031/66/000/012/0045/0048

AUTHOR: Baykonurov, O. A. Ibrayev, Sh. I.; Vinokurov, L. V.; Karazhanov, D.

ORG: none

TITLE: Method of determining the relative power of various explosives in simulating an explosion

SOURCE: AN KazSSR. Vestnik, no. 12, 1966, 45-48

TOPIC TAGS: chemical explosion, underground explosion, explosive charge

ABSTRACT: In present-day experimental studies on models made of synthetic material, efforts are made to determine the qualitative characteristics of the destruction of rocks by explosions. On the basis of the mechanical characteristics of the equivalent material employed, the explosive commonly used in laboratory explosions consists of 16% mercury fulminate, 55.5% potassium chlorate and 28.5% antimony. An attempt was made to determine the power of this explosive mixture relative to industrial explosives. This was done as follows: first, by measuring the seismic vibrations, a certain fraction of energy was determined for the explosive studied and for an industrial explosive (1 g Tetryl + 0.5 g mercury fulminate, a mixture used in the ED-8-56 electric detonator), whose energy was determined from existing formulas. The comparison method was then employed. This involved measuring the seismic vibrations from the explosive whose energy was known, then the vibrations from the explosive

Card 1/2

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000720630009-4"

ACC NR: AP7007210

whose energy was unknown. Finally, the energy of the seismic wave was calculated for maximum values (obtained from oscillograms) of both explosions, and the ratio of these energies was taken. It was found that the explosive composition used for laboratory tests is 20.5 times weaker than the mixture used in the ED-8-56 electric detonator, and 10-12 times weaker than ordinary underground ammonites (No. 6, 7, etc.). Orig. art. has: 2 figures, 1 table and 8 formulas.

SUB CODE: 19/ SUBM DATE: none

Cord 2/2

BAYKOHUROV, O.A.; KOVRICO, A.F.; KAKAZHAHOV, D.D. Simulation in studying blasthole drilling in the Denezkengan mines. Vest. AN Kazakh. SSR 20 no.12:41-30 D 164

(HIRA 18:2)

KARAZHANOV, N.A. (Gur'yev)

Flow method of dissolving nonfixed crystals. Zhur. fiz. khim. 38 no.4:921-926 Ap '64. (MIRA 17:6)

1. Institut khimii nefti i prirodnykh soley AN KazSSR.

KARAZHANOV, N.A.

Determination of the solubility of inyoite in solutions of salts by the kinetic method. Izv. AN Kazakh. SSR. Ser. khim. nauk 14 no.1:34-40 Ja-Mr '64. (MIRA 18:3)

KARAZHANOV, N. A. Cand Chem Sci -- (diss) "Kinetics of the solutions of calcium and magnesium sulfates." Alma-Ata, 1959. 14 pp (Kazakh State Univ im S. M. Kirov), 100 copies (KL, 59-59, 124)

-5-

KARAZIK, G.Ya.

Existence of periodic solutions to a system of differential equations with retarded argument. Sib. mat. zhur. 2 no.4: 551-555 JL-Ag '61. (MIRA 14:9) (Differential equations)

KARAZIN, A.A.; ERYSHCHENKO, I.F.

Hoscow city veterinary health station. Veterinariia 33 no.9:56-60 (MLRA 9:10)

1.Zamestitel' zaveduyushchege Geredskim veterinarnym etdelen Mesgerispolkema (fer Karazin). 2.Direkter Meskevskey geredskey veterinarnesanitarney stantsii (fer Kryshchenke). (Hescew---Veterinary hygiene)

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720630009-4

FUGUREINA, A.A.; EARAZIN

Organization of milk and milk product sanitation control in Moscow markets. Veterinaria 34 no.9:73-75 S '57. (MLHA 10:9)

1. Starshiy vetvrach vetotdela Moscorispolkoma (for Pugovkina).
2. Zamestitel' zaveduyushchego vetotdelom Moscorispolkoma (for Earazin).

(Moscow--Pairy products--Analysis and examination)

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000720630009-4

ACC NRI AP6021/28

SOURCE CODE: UR/0413/66/000/011/0029/0029

INVENTOR: Karazin, I. V.

ORG: none

TITLE: Optical-mechanical converter of an optical image into an electrical signal. Class 21, No. 182190

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 11, 1966, 29

TOPIC TAGS: optic image, image converter

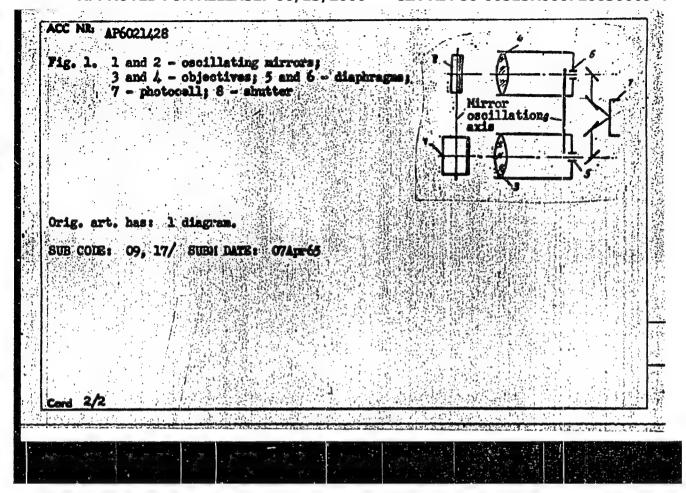
ABSTRACT: This Author Certificate presents an optical-mechanical converter of an optical image to an electric signal, having an oscillating mirror, an objective, a diaphragm, and a photocell. To increase the scanning rate, the converter contains two parallel scanning systems, each consisting of an oscillating mirror, an objective, a diaphragm in the objective focal plane, and a moving shutter (see Fig. 1). The shutter alternately passes the light beam proceeding from each of the two systems onto the photoelectric cell. The systems operate from the phase shift in a half-period.

Card 1/2

UDC: 621.383.8

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000720630009-4



SOV/120-59-2-15/50

Bonch-Brugevich, A.M., Karazin, I.V., Molchanov, V.A., AUTHORS:

and Shirokov, V.I.

An Experimental Model of a Phase Fluorometer TITLE:

(Eksperimental'nyy obrazets fazovogo fluorometra)

PERIODICAL: Pribory i tekhnika eksperimenta, 1959, Nr 2, pp 53-56

(USSR)

ABSTRACT: This paper was read at the VI Conference on luminescence The instrument was exhibited at the in Leningrad.

A finalized laboratory Brussels Exhibition in 1958. model of a new phase fluorometer is described. The phasemeter section has a resolution of 0.10, which corresponds to 2x10-11 sec at the modulation frequency used. The sensitivity to light is high, and is such that emissions many orders of magnitude weaker than that of

fluoresceine in alkali can be measured. Several laboratory

fluorometers have been described for measuring fluorescence decay times in the 10-8 - 10-10 sec range, (Refs 1-5). The methods are based on measuring the

phase difference Ø between the emission and the The exponential decay constant $\boldsymbol{\gamma}$ is exciting light.

related to Ø by Card 1/8

2 T F T = tan Ø

SOV/120-59-2-15/50

· An Experimental Model of a Phase Fluorometer

In 1954 the where F is the modulation frequency. authors designed a phase fluorometer in which many sources of error were eliminated; a phase detector, and other devices to facilitate the measurements, were incorporated (Refs 6-8). The instrument described here has been designed on the basis of four years' experience with the 1954 instrument, and in certain respects differs considerably from that instrument. The instrument consists of two main parts, both of which are built into the same console, namely the optical section and the phasemeter system (Fig 1). The apparatus includes units that supply the phasemeter, control the modulator, feed the amplifiers, etc. The optical system is fitted on a horizontal table and is divided into three sections closed by light-tight covers. The phasemeter system is installed in the vertical rear section; the stabilized supplies (rectifiers, etc) and the modulator unit are fitted in the base of the console. The resolution is about 0.10. The minimum error of a single measurement of T for a bright emission (for low noise levels) is less than 2% (apart from systematic errors); the general

Card 2/8

SOV/120-59-2-15/50

An Experimental Model of a Phase Fluorometer

errors are

5% at $\tau = 10^{-9}$ to 10^{-8} sec: 10% at $\tau = 5.10^{-10}$ to 5.10^{-8} sec:

20% at $\tau = 2.5 \cdot 10^{-10}$ to 10^{-7} sec.

The high sensitivity to light enables one to use emissions that are 3-4 orders of magnitude weaker than the emission from a 10-4M solution of fluorscein in alkali. The error increases as the brightness The light source is a high-pressure mercury decreases. arc SVDSh-250 (Fig 2). A diffraction modulator is used to modulate the light flux, for which purpose we have used standing waves generated by a barium titanate plate, (Ref 9) in aqueous ethanol (17%). The plane of the exit slit can be projected in magnified form on a special fluorescent screen (Fig 2) during adjustments; the modulator can thereby be adjusted for visible or ultraviolet light. Instability caused by incorrect beamsplitting (Ref 10) is avoided by inserting filters separately in the two channels. The light entering the Card 3/8 sample channel (some 95% of the total output from the

An Experimental Model of a Phase Fluorometer

modulator) enters the middle section of the instrument and strikes either a scatterer or the specimen. scattered exciting light is used in setting-up; normally the fluorescence is recorded by a photomultiplier (FEU-18, FEU-19, FEU-22 or FEU-25), whose output feeds the specimen channel. The scatterer and the sample are fixed to a moving table. A filter is fitted between the sample and the multiplier to cut cut the exciting light. The table is driven by a motor, and can turn or reciprocate. Twelve stops give positions where the table comes to rest. At each stop position a neutral filter is automatically inserted in the exciting beam. filters are used to match the intensities of the exciting and fluorescence beams roughly, in order to avoid amplitude-dependent phase errors caused by the photomultiplier (Ref 8). These neutral platinum filters are contained in a special holder, and any appropriate number of them can be introduced with the cover of the section closed. The filters are such as to give a maximum attenuation of about 10¹⁴, and to match the intensities to The phasemeter system is a symmetrical

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SOV/120-59-2-15/50

An Experimental Model of a Phase Fluorometer

two-channel one (Fig 3). The signals are amplified at two frequencies (436 and 25 kc/s). The system enables one to select the best operating frequency (6.5±0.15 Mc/s) and to keep it constant within the stability of a quartz oscillator. To this end the frequency of a tunable oscillator ($F_1 = 4.018\pm0.150 \text{ Mc/s}$) is heterodyned with quartz oscillators (F2 = 2.5 Mcps and $F_3 = 2.282 \text{ Mc/s}$) in two mixers. The output from one mixer (F1+F2) is fed to the modulator, whilst the output from the second mixer is doubled in frequency (because the light is modulated at a frequency double that of the supply voltage) and is fed to the first mixers in the two The first working frequency is thus $2(F_2-F_3)$, which does not depend on F_1 ; its stability is determined by the stabilities of F_2 and F_3 only. The second working frequency is correspondingly stable. Any change in phase at one of the inputs is accompanied by an equal change of phase difference at the outputs of the amplifying channels. The quartz oscillators increase the stability of the phase reading and of the calibration of the phase shifters (which work at 25 kc/s) without

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SOV/120-59-2-15/50

An Experimental Model of a Phase Fluorometer

substantially increasing the complexity. phase-shifters are used; the output voltage is not Bridge-type affected by changes in the phase shift. One channel has an uncalibrated phase-shifter with a total range of 3600 (it is used to set the zero on the exciting light); the other channel has three standard decade shifters, with steps of 100, 10 and 0.10 respectively. units provide a shift of 1800 in equal steps. These three shift cutout is fitted, to remove the shift introduced by these units. The cutout is operated manually or automatically when the zero is being set. can be measured repeatedly without disturbance to the knobs on the phase-shifters; this improves the convenience and the accuracy. The automatic ga The automatic gain control keeps the signal level constant in parts of the circuit where amplitude-dependent phase errors are most likely (Ref 6). The AGC stages are designed not to produce parasitic phase shifts for input signals within the range 50 µv (threshold) to 50 mV, (Ref 8). control coefficient of the AGC system is about 5000. The manual gain control is used to prevent overloading

Card 6/8

SOV/120-59-2-15/50

An Experimental Model of a Phase Fluorometer

on bright emissions. Electronic voltmeters in the AGC circuits indicate the signal levels; these meters are used to equalize the signals in the two channels roughly. There are two output indicators, namely an oscilloscope and a phase-sensitive detector with a meter. oscilloscope is used only for rough measurements, and to indicate the noise level. The phase-sensitive detector is used as a null indicator. The time-constant and sensitivity of this detector are adjustable; the values are chosen in accordance with the noise level. So far as we are aware, this is the first fluorometer to have reached a finalized laboratory form. M.S. Gitman helped in building the apparatus and in D.N. Kaydinov and designing the phase-meter sections; to them we offer our thanks. We also wish to thank V.P. Kovalev, who did much to help in finalizing the phasemeter design. This is a complete translation, apart from Fig 3. There are 3 figures and 10 references, of which 2 are English, 1 is German and 7 are Soviet.

Card 7/8

Figure captions are: Fig 1, general view of the fluorometer. Fig 2, 1) SVDSh-250 lamp, 2) condenser

An Experimental Model of a Phase Fluorometer SOV/120-59-2-15/50 system, 3) entrance slit, 4) exit slit, 5) condenser lens, 6) exit lens, 7) modulation cell, 8) fluorescent screen, 9) mirror used to observe diffraction pattern, 10) filter to select exciting wavelength, 11) stop, 12) beam-splitter, 13) scatterer, 14) photomultiplier in channel II, 15) scatterer or specimen, 16) photomultiplier in channel I (sample), 17) moving stage, 18) filter, 19) lens, 20) set of neutral filters.

ASSOCIATION: Gosudarstvennyy opticheskiy institut (State Optical Institute)

SUBMITTED: June 2, 1958

KARAZINA, S. A., Candidate of Biol Sci (diss) -- "The role of the orientation reaction in the process of developing electrocortical temporary connections in man".

Moscow, 1959. 15 pp (First Moscow Order of Lenin Med Inst im I. M. Sechenov), 200 copies (KL, No 20, 1959, 110)

KARAZINA, S.A.

Electrocortical dynamic stereotype and the condition for its persistent manifestation. Dokl. AN SSSR 150 no.3:698-701 My '63. (MIRA 16:6)

1. TSentral'nyy institut usovershenstvovaniya vrachey.
Predstavleno akademikom A.N. Rakulevym.

(Electroencephalography)

(Stereotype(Psychology))

KARAZINA, S.A.

Conditions for the stabilization and extinction of electrocortical temporary connections. Dokl. AN SSSR 150 no.5:1174-1177 Je 163. (MIRA 16:8)

1. TSentral'nyy institut usovershenstvovaniya vrachey. Predstavleno akademikom A.N.Bakulevym. (CONDITIONED RESPONSE)

1. 12844-63 BDS

ACCESSION NR: AP3003234

8/0020/63/150/006/1397/1400

AUTHOR: Karazina, S. A.

46

TITLE: Features of the appearance of the EEG activation reaction under the influence of light

SOURCE: AN SSSR. Doklady, v. 150, no. 6, 1963, 1397-1400

TOPIC TAGS: light-induced depression, cortical rhythm, electrocortical association

ABSTRACT: Light-induced depression of cortical rhythm was studied in 3 series of experiments on 12 healthy adults. The EEG was recorded with monopolar leads from the temporal, parietal, and occipital regions. In each series, some 1000 stimuli, single or paired, were presented to each subject. In the first series, only light was presented for 3 seconds at varying intervals; in the second, the 3-second light stimulus was used to reinforce a conditioned (painful) stimulus; and in the third, it was used as a conditioned stimulus, with painful stimulation as the unconditioned stimulus. With light only, the duration of the activation reaction to each presentation of light was inconstant (undulating reaction curve), and it diminished with repetition of the stimulus, Card 1/2

L 12844-63

ACCESSION NR: AP3003234

disappearing almost completely after 750 presentations, increasing slightly thereafter, and then appearing in only 6% of the cases in the ninth experiment, and in only 3% in the 10th. When light was used as a reinforcer for the unconditioned stimulus (series 2), the reaction diminished with repetition but did not disappear altogether, and the same was true in series 3. Thus, light is suitable as a component of a conditioned-reflex pair for creating temporary electrocortical associations, but when used alone, the reaction developing on repetition is similar to that observed in extinction with reinforcement. This report was presented by Academician A. N. Bakulev, 30 Nov 62. Orig. art. has:

ASSOCIATION: none

SUBMITTED: 15Jun62

DATE ACQ: 24Jul63

ENCL: OO

SUB CODE: 00

NO REF SOV: 005

OTHER: 004

Cord 2/2

History of the Krasnokutsk Park in Kharkov Province. Biul.
Glav. bot. sada no.39:25-32 160. (MIRA 14:5)
(Krasnokutsk District—Botanical gardens)

KARAZIYAYTE, L. P.

"The Problem of the Etiology and Pathogenesis of Suffocation of the Newborn." Cand Med Sci, Vil'ynus State U, Min Higher Education USSR, Vil'nyus, 1955. (KL, No 10, Mar 55)

SO: Sum. No. 670, 29 Sep 55--Survey of Scientific and Technical. Dissertations Defended at USSR Higher Educational Institutions (15)

L 30072-65 EMT(1) JP(e) ACCESSION NR: AT5002039

S/2910/64/004/002/0197/0212

AUTHOR: Tutels, A. P. Jacys, A.; Vizbarayte, Ta. A.; Karaziya, R. I. A. Tu. (Vizbaraite, J.) (Karazija, R.); (Savukynas, A.); Bandzaltis, A.

Savukinas,

TITIE: Calculation of matrix elements of the electrostatic interaction operator for complex atoms

SOURCE: AN LitSER. Litovskiy fizicheskiy sbornik, v. 4, no. 2, 1964, 197-212

TOPIC TAGS: quantum michanics, matrix, electron shell, electrostatic interaction, energy operator, quantum theory, wave function, Racah operator

ABSTRACT: In recent years, the tabulation of the submatrix elements of operators has been carried out to an extent which permits operations with the shalls of s-, p- and d-electrons. This has stimulated the consideration of a method for calculation of the matrix elements of the operators. The present work is limited to the consideration of the expressions for the matrix elements of the electrostatic interaction operator for the case of complex configurations. For simplicity, the case of two either partially filled or almost completely filled shells is considered first. Then a method is developed for calculations in the case of any number of

Cora 1/2

1 30072-65 ACCESSION NR: AT5002009

unfilled shells. The article first reviews the information on the unitensor operators as described in the work of Racan (Phys. Rev. 62, 438 (1942) Phys. Rev. 63, 367 (1943)). The explicit formulae are given for two unfilled electron shells. In the case of three or four unfilled shells more general formulae are given, which permit easy calculation of the explicit formulae. In the case of almost filled shells, the relationships between the submatrix elements of the additional shells. are utilized. The formulae for the matrix elements contain the 3nj-coefficients for which the number of parameters does not exceed 6 (n=2). Their use becomes very simple since the tables are available for 6] coefficients. Orig, art, has: 57 equations.

ASSOCIATION: Vil'nyusekiy Gosudarstvennyy universitet in, V. Kapsukasa (Vilnius state university): institut fiziki i matematiki Akademii nauk Litovskoy SSR (Physics and mathematics institute; Academy of sciences, Lithuanian SSR)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720630009-4 21 Aug 53 "Theory of Symmetrizable Operators That Are Poly-"Theory of Symmetrizable Operators That Are Foly"

"Theory of Symmetrizable Operators That Are Karazov;

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Tollisi Math Inst in A. USSR/Mathematics _ Operators nomially Dependent Upon a Parameter, "D. F. Karazov; nomially Dependent Upon a Parameter, Acad Sci Georgian Thilisi Math Inst im A. Razmadze, Acad Sci Georgian Kirazol, D. F. DAN SSSR, Vol 91, No 6, PP 1285-1287 SSR reflecting a certain Hilbert space X into itseland N is a complex parameter. Demonstrates 8 theorems on eigenvalues of operators Ak states of operators applied to an that the results boundary value problems in the investigation of boundary. that the results obtained are being applied to all the investigation of boundary-value problems in the investigation of account and not be both ordinary and not the control of account and not be both ordinary and not become investigation of boundary-value problems in the ordinary and partial eqs both ordinary and Jun 53. theory of differential eqs Acad A. N. Kolmogorov tial.

APPROVED FOR RE

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KARBA, A.; COP, S. Effect of speed and temperature of easting upon the quality of blocks.

Vol.6, No. 1, April, 1955 NOVA PROIZVODNJA

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: Karbainov, M. A. Author

: Buryat-Mongolian Institute of Zoological and Veterinary Inst

Bciences.

: Morphological Changes in the Cervical Section of the Title

Vegetative Nervous System and in the Lungs of Pigs Vaccinated with Antiplague Crystal Violet Vaccine.

Orig Pub: Tr. Buryat-Mong. zoovet. in-ta, 1957, vyp. 11, 155-

159.

Abstract: One to three days after intramuscular inoculation of

immature pigs with 5-30 ml. of crystal-violet vaccine and erythrocrystal-violet glycerin vaccine into the

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USSR/Diseases of Farm Animals. Diseases Caused by Viruses and Rickettsiae.

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Abs Jour: Ref Zhur-Biol., No 5, 1958, 21593.

neck area, a retrogressive degeneration with central chromatelysis in the ganglion cells of the cervical section of the vegetative nervous system was observed. In the nerve fibers, argentophilia and swelling of neurofibril axis cylinders were noted. Four to eight days after the vaccination a part of the nerve fibers died, and fragmentation and disintegration of the axis cylinders of the vagus nerve took place. In almost all of the immature pigs pathomorphologic changes were present in the lungs (bronchitis and peribronchitis, as well as pneumonia), and their intensity was in direct proportion to the changes in the cervical section of the vegetative nervous system. In piglets who were vaccinated in the femoral area with the same vaccines, there was not

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USSR/Diseases of Farm Animals. Diseases Caused by Viruses and Rickettsiae.

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Abs Jour: Ref Zhur-Biol., No 5, 1958, 21593.

even one case of inflammatory lung symptoms. Thus, the obtained data deem it advisable not to administer the vaccine into the neck area of pigs but into other parts of their body.

Card : 3/3

KARBAINOV, Yu.T.; STRCABERG, A.G.

Increase in the sensitivity of the method of smalgam polarography with storage by the enlargement of the surface area of ammonium mercury amalgam at higher temperature in nonequeous solutions.

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1. 25649-65 BPF(0)/EWP(3)/EWT(a) po-L/pr-L RH S/0081/64/000/017/B072/B073 ACCESSION NR: ARSON)707 SOURCE: Ref. kh. Khimiya, Abs. 178458 AUTHOR: Karbainov, Yu. A.; Stromberg, A. G. TITE: A study of the electrical conductivity of binary mixtures of silicon tetrachloride and aliphatic oxygen-containing compounds for the purpose of deter mining trace impurities in highly purified allicon terrachloride CITED SOURCE: Dokl, 2-y Bezhvuz, konferentsil po khimil organ. kompleksn. soyedinenty, 1963, Yomski, Tomskiy un. E. 1963; 90522 TOPIC TAGS: Silicon tetrachlorale, silicon tetrachloride conductivity, silicoorganic complex, silicon tetrachioride, purity, complex formation, acetic acid, chloroacetic acid, propyl alcohol, electrical conductivity, anisol TRANSLATION: The anthore studied the electrical conductivity X of binary mixtures of SiCla and aliphatic oxygen-containing compounds (acetic sold, chloroacetic acid, ethyl inloroscetate, anisol, propyl alcohol and tsopropyl alcohol) at 180 in the concentration range of 0-30 mol. 7 SiCiA. In addition, they studied the conductivity of the system SiCiA - acetic acid - sodium acetate at various the Cori 1/2

